Quality Control

Work Order ID 61883

Memo



Page 1

1B10-9-13

Wednesday, September 08, 2010 3:27:43 PM Item ID: D4175-041 Accept Setup Start PRELIM Revision ID: Stop Pod GPS Doubler Assembly Item Name: 9/8/2010 Start Qty: 3.00 Start Date: Cust Item ID: Required Date: 9/13/2010 Req'd Qty: 3.00 Customer: Reference: Start Run Date: 10-208 Process Plan: Tooling: Date: Approvals: Stop QC: Date: SPC (Y/N): Date: Sequence ID/ Operation Tool # Plan Set Up/ Tool ID Reject Accept Reject Insp. Work Center ID Description Qty Run Hours Code Qty Number Stamp Revision Nbr Draw Nbr PA1 D4175 100 0.00 B10-9-13 0.00 Waterjet Memo FLOW CNC Waterjet 1-Cut as per Dwg (D4175-1F) Dwg Rev: RA Prog Rev: 2-Deburr if necessary 110 QC2- Inspect parts off machine FAI/FAIB 0.00

0.00

Dart Aero	space I	_td
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W/O:			WO	RK ORDER CHANG	ES				
DATE	STEP	PRO	OCEDURE CHAN	IGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
									1.
Part No	:	PAR #:	Fault Categ	jory:	NCR: Yes	No DQ	A:	Date:	
	Re	esolution:	Disposition	:	QA: N/C CI	osed:		Date: _	
NCR:			WORK ORDE	R NON-CONFORM	ANCE (NCR	1)			
		Description of NC		Corrective Action Sect	ion B	Verifi	cation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date		ion C	Chief Eng	QC Inspector

Work Order ID 61883

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Item ID:

D4175-041

PRELIM

Revision ID: Item Name:

Pod GPS Doubler Assembly

Start Date:

9/8/2010

Start Oty: 3.00



Accept



Setup Start

Stop



Required Date: 9/13/2010

Req'd Qty: 3.00

Cust Item ID:

Customer:

Reference:

Approvals: Process Plan:

OC:

Date: Date: Tooling:

SPC (Y/N):

Date:

Date:

Start

Stop

Run

Sequence ID/

Work Center ID

120

Quality Control

Operation Description

QC8- Inspect parts - second check

Memo

Set Up/ Run Hours Tool ID

Tool# Plan

Code

Accept Qty

Reject Qty

Reject Insp. Stamp Number

130

Small Fab

Small Fab

140

Memo

1- C'sink holes as per dwg

0.00

0.00

Quality Control

QC5- Inspect part completeness to step on W/O

Memo

-inspector to Par Du only

950/09/13 3

Dart Ae	rospace L	.td							
W/O:			WC	RK ORDER CHANGE	S			-	16 %
DATE	STEP	PRO	OCEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No		PAR #:							
	Res	olution:	Dispositio	1:	QA: N/C C	losed:		Date: _	
NCR:			WORK ORD	ER NON-CONFORMAL	NCE (NCI	R)			
DATE	STEP	Description of NC Section A	Initial Chief Eng	Corrective Action Section Action Description Chief Eng	Sign Date	& Sect	cation ion C	Approval Chief Eng	Approval QC Inspector

Work Order ID 61883

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Item ID:

D4175-041

PRELIM

Revision ID: Item Name:

Pod GPS Doubler Assembly

Start Date:

9/8/2010

Start Qty: 3.00

Required Date: 9/13/2010

Req'd Qty: 3.00



Accept



Setup Start

Stop



Cust Item ID:

Customer:

Reference: Approvals:

Process Plan:

OC:

Date:

Date:

Tooling:

SPC (Y/N):

Set Up/

Run Hours

Date:

Run Start

Date:

Stop

Sequence ID/ Work Center ID

150

HandFinish

Hand Finishing

Operation Description

Chemical Conversion Coat per QSI005 4.1

0.00

Tool ID

Tool# Plan

Code

Accept Qty

Reject Qty

Reject Insp. Number Stamp

160

Powdercoat

Powder Coating

Grey Sandtex(Ref:4.3.5.6) per QSI005 4.3

11117588

Memo

Memo

Start Time: 2 4 50 Oven Temperature: Finish Time: 3:1500

-> U 10/04/15

0.00 BK 10-9-14

170

Quality Control

QC3- Inspect Part Finish

Memo

0.00 - inspectos to Pal

POSITIVE RECALL

DATE 10.04,24

Dart Aerospace Ltd

W/O:			WC	ORK ORDER CHANGI	ES			-	
DATE	STEP	PRO	CEDURE CHA	NGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Cate	gory:	NCR: Yes	No DQ	A:	_ Date: _	
	R	esolution:	Dispositio	n:	QA: N/C Cld	sed:		Date:	
NCR:		1	WORK ORD	ER NON-CONFORMA	NCE (NCR)			
/	2000	Description of NC		Corrective Action Section		Verific	ation	Approval	Approval
DATE	STEP	Section A	Initial Chief Eng	Action Description Chief Eng	Sign & Date	Secti		Chief Eng	QC inspector
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Item ID:

D4175-041

PRELIM

Revision ID: Item Name:

Pod GPS Doubler Assembly

Start Date:

9/8/2010

Start Qty: 3.00

Required Date: 9/13/2010



Accept



Run

Accept

Oty

Setup Start





Reg'd Oty: 3.00

Cust Item ID:

Customer:

Tool ID

Reference:

Approvals: Process Plan: OC:

Operation

Description

Date:

Date:

Tooling:

SPC (Y/N):

Date:

Date:

Tool#

Plan

Code

Start



Stop

Reject Insp.

Stamp

Number

Sequence ID/

Work Center ID

180

190

QC

Small Fab Small Fab

Memo

1- Install nut plate as per dwg

Set Up/ Run Hours

0.00

0.00

Qty

Reject

QC5- Inspect part completeness to step on W/O

Du only Ciolor/16 (3)

Quality Control

200

Packaging

Packaging

Identify as per dwg & Stock Location:

Memo

Memo

4 10-09-23 (4)

Dart Aerospace Ltd

W/O:			WO	RK ORDER CHANG	ES					*1 20
DATE	STEP	PRO	OCEDURE CHAI	NGE		Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Cate	gory:	NCR:	Yes N	lo DQ	A:	_ Date: _	
	R	esolution:	Disposition	n:	_ QA: I	VC Clo	sed:		Date:	
NCR:			WORK ORDE	R NON-CONFORM	ANCE	(NCR)	Ĥ			
DATE	STEP	Description of NC		5) (4) (5) (6) [1.3] [2] [3] [3] [3] [3] [3] [3] [3] [4] [4] [5] [5] [6] [6] [6] [6] [6] [6] [6] [6] [6] [6	tion B		Verific	cation	Approval	Approval
DAIL	SILF	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Sect	on C	Chief Eng	QC Inspector
		li .					1			

Work Order ID 61883

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Item ID:

D4175-041

PRELIM

Revision ID: Item Name:

Pod GPS Doubler Assembly

Start Date:

9/8/2010

Start Qty: 3.00

Required Date: 9/13/2010

Req'd Qty: 3.00

Operation

Description



Accept



Setup Start

Stop



Reference:

Approvals:

Process Plan:

Date:

Tooling:

0.00

Date:

Cust Item ID:

Customer:

Start

Stop



QC:

Date:

SPC (Y/N):

Date:

Run

Sequence ID/

Work Center ID

210

Quality Control

Memo

QC21- Final Inspection - Work Order Release

Set Up/

Run Hours 0.00

Tool ID

Tool# Plan

Code

Accept Qty

Reject Reject Qty

Insp. Number Stamp

60/091. U 100923

Dart Aerospace Ltd

W/O:			W	ORK ORDER CHANG	ES			- 1	
DATE	STEP	PRO	OCEDURE CH	ANGE	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
		-							
Part No	:	PAR #:			NCR: Yes	No DQ	A:	Date:	
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NCR:			WORK ORD	DER NON-CONFORMA	ANCE (NCF	R)			
DATE	STEP	Description of NC		STANCE OF THE PROPERTY OF THE	ion B	Verific	cation	Approval	Approval
DATE	SICF	Section A	Initial Chief Eng	Action Description Chief Eng	Sign 8 Date		ion C	Chief Eng	QC Inspector
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									1
Y									

Picklist Print

Wednesday, September 08, 2010 3:27:48 PM

Work Order ID: 61883

Parent Item: D4175-041

Parent Item Name: Pod GPS Doubler Assembly



Start Date: 9/8/2010

Required Date: 9/13/2010

Page 1

Start Qty: 3.00

Required Qty: 3.00

~						10000
C	0	m	m	e	n	ts:

IPP rev:A 10.09.08 new issue verf:EC

		nen mode veri	LLC										
Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Qty per Kit	Total Qty	Qty Issued	Date Issued	Status
M6061T6S.063 6061-T6 .063 Sheet		Purchased	No			100	sf	104.9340	0.053	0.16736	8 B10-9-	.(3	
				Location MAT21	113608		<u>Otv</u> 1.934 1.934	Loc Code	=	13608	-	3	
MS20426AD3-3		Purchased	No			180	Each	5,021.000		24	0/09	he	
LOGN	yo.00.16				19099 7681		Oty 5021 4774 247	Loc Code		24	-		
MS21075 MS2107		Purchased > MIOS	No 7 7	8 (12	(F	180	Each	0.0000	4	95	0/09	/16	

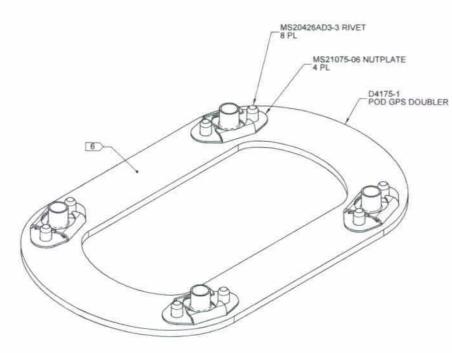
Dart .	Aeros	space	Ltd
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W/O:			W	ORK ORDER CHANG	SES					
DATE	STEP	PRO	OCEDURE CH	ANGE	1	Ву	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector
Part No	:	PAR #:	Fault Cat	egory:	_ NCR:	Yes N	o DQ/	A:	Date:	
	R	esolution:	Dispositi	on:	QA: N	V/C Clos	sed:		Date:	
NCR:			WORK ORD	DER NON-CONFORM	ANCE ((NCR)				
DATE	STEP	Description of NC			tion B		Verific	ation	Approval	Approval
DATE	SIEP	Section A	Initial Chief Eng	Action Description Chief Eng		Sign & Date	Section	on C	Chief Eng	QC Inspector
	1						1			1

Route /Bon /AxF

ITEM	QTY -041	P/N	DESCRIPTION
	X	D4175-041	POD GPS DOUBLER ASSY
1	1	D4175-1	POD GPS DOUBLER
2	4	MS21075-06	NUT PLATE
3	- 8	MS20426AD3-3	RIVET

D



D4175-041 POD GPS DOUBLER ASSY

UNCT HERE WORK THE STREET THE STR

PRELIMINARY ISSUE

0

C

NOTES:
1) MATERIAL: N/A
2) FINISH: N/A
3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
4) UNITS: INCHES UNLESS OTHERWISE NOTED
5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
6) IDENTIFICATION: PER DART QSI 044 8.1
7) WEIGHT: 0.02 lbs

8

PA1	NEW ISSUE		MB	10.09.01
REV.		DESCRIPTION	BY	DATE
DESIGN	一串	DART AER	OSPACE LT	D
DRAWN			ONTARIO, CANAD	11.
CHECK	ED	DRAWING NO.		REV. PA1
MFG. A	PPR.	D4175		SHEET 1 OF 2
APPRO	VED	TITLE		SCALE
DE APP	R.	POD GPS DOU	BLER ASSY	NTS
DATE	10.09.01	THE DOCUMENT IS PREVIOUS AND SUBFRIGHTS AND TO BE USED FOR AND PURPOSE OR COM-	BY DART AEROSPACE	LTD Confirmation of a protocol opinion

DART AEROSPACE LTD	Work Order:	61883
Description: Pod G.P.S. Doubles ASSEMBLY	Part Number:	0475-041
Inspection Dwg:D475- Rev: PA\		Page 1 of 1

FIRST ARTICLE INSPECTION CHECKLIST

	FIRST	ARTICLE IN	SPECTIO	ON CHE	CKLIST		
	X	First Artic	le	Proto	otype		
Drawing Dimension	Tolerance	Actual Dimension	Accept	Reject	Method of Inspection	Com	ments
890, 8	4 004 - 001	,100	*		V 1BOD		
8 .144	+ 005001	146	89	*	V		
3.44	4030	3,447	*		V		
2,000	100	2,004	4		V		`
1660		1.657	煌 .		V		
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3.30	111	2.213	70	4	\ <u>\</u>		
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				* *			
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		4			T.d.	(8)	
Managend by		Audited by:	18.		Prototype A	pproval:	N/A
Measured by Date		Date	10/09/13			Date:	N/A
Rev Date		inspector	DPAI Du	10-17		evised by	Approve
A Date	New Issue				K	J/JLM	

